ADVANCED CONCEPTS in MECHANICAL ENGINEEERING

"GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IAŞI - FACULTY OF MECHANICAL ENGINEERING

THE 9th INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING

ACME 2020

JUNE 4 – 5, 2020
IAŞI, ROMANIA



Organized by:

FACULTY of MECHANICAL ENGINEERING

"GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI

Under the aegis of:

ROMANIAN MINISTRY OF NATIONAL EDUCATION AND SCIENTIFIC RESEACH
ROMANIAN ACADEMY OF TECHNICAL SCIENCES
ACADEMY OF ROMANIAN SCIENTISTS

In partnership with:

AMERICAN UNIVERSITY OF MADABA, JORDAN
SIAR - SOCIETY OF AUTOMOTIVE ENGINEERS OF ROMANIA
ARoTMM - ROMANIAN ASSOCIATION FOR MECHANISMS AND MACHINE SCIENCE
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ART – ROMANIAN TRIBOLOGY ASSOCIATION
SRT - ROMANIAN SOCIETY OF THERMODYNAMICS
AFCR - ROMANIAN ASSOCIATION FOR REFRIGERATION AND CRYOGENICS ENGINEERS

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Chairmen	Ioan DOROFTEI	ioan_doroftei@yahoo.com
	Aristotel POPESCU	aristotel.popescu@tuiasi.ro
Secretary	Carmen BUJOREANU	carmen.bujoreanu@gmail.com

Members

Section 1	Mihaela Rodica BĂLAN	ro_balan@yahoo.com
	Ana TUFESCU	ana.tufescu@yahoo.com
Section 2	Bogdan ISTRATE	bogdan_istrate1@yahoo.com
	Ştefan LUPESCU	lupescustefan@ymail.com
Section 3	Gheorghe PRISĂCARU	prisacaru_ghe2004@yahoo.com
	Vlad CÂRLESCU	vlad.carlescu@tuiasi.ro
Section 4	Florentin BUIUM	fbuium@gmail.com
	Eugen MERTICARU	emertica@yahoo.com
Section 5	Viorel GOANŢĂ	vgoanta@tuiasi.ro
	Marian MAREŞ	mmares@tuiasi.ro
Section 6	Radu DROSESCU	drosescuradu@gmail.com
	Sorinel TALIF	tsorinel@yahoo.com
Section 7	Vlad Mario HOMUTESCU	mariohomutescu@gmail.com
	Marius ATANASIU	marius.atanasiu@yahoo.com
Section 8	Ioan BĂISAN	nelubaisan@yahoo.com
	Alina DUMITRAŞCU	ally420022002@yahoo.com

TOPICS:

- Machine Design. Tribology (Section 1);
- Materials and Surface Engineering (Section 2);
- Mechatronics. CAD. Mechanical Vibrations (Section 3);
- Theory of Mechanisms and Machinery. Robotics (Section 4);
- Mechanics of Deformable Bodies (Section 5);
- Automotives. Engine and Transmission. Road Safety (Section 6);
- Applied Thermodynamics, Heat Transfer, and Renewable Energy. Thermal Systems (Section 7);
- Technologies in Agriculture and Food Processing (Section 8);

HISTORY AND AIM:

The First International Conference on **A**dvanced **C**oncepts in **M**echanical **E**ngineering was organized in 2004 by the Mechanical Engineering Faculty from "Gheorghe Asachi" Technical University of Iasi. Subsequently, it was held on a biennal basis, becoming the most significant conference hosted by our faculty.

The aim of ACME is to outline the image of future mechanical systems, to initiate research in new areas bordering various research fields and to promote innovation in all its forms. The event will provide a forum for interaction between researchers and professionals from academia and industry, while promoting interaction between scientists and engineers. The conference will comprise technical and social programs. The technical program will include plenary and regular oral or poster presentations.

The papers presented at the 6^{th} edition (ACME2014) are indexed in Scopus and the last editions (ACME2016 and ACME2018) were indexed in both Web of Science (ISI Thomson) and Scopus.

FEES:

- 150 €, including open access to all papers and conference dinner – one person (+50 € per extra paper by the same first author)
- 100 € for doctoral students and senior and emeritus professors
- 50 € for accompanying persons

DEADLINES:

- One page abstract submission: January 18^{th}, 2020
- Notification of acceptance: January 25^{th}, 2020
- Full paper submission: February 29^{th}, 2020

GENERAL INFORMATION:

- The ACME2020 Conference Proceedings will be published by *IOP Conference Series: Materials Science and Engineering*, an open-access proceedings journal, with abstracting and indexing in ISI Web of Science (Conference Proceedings Citation Index), Scopus, EI Compendex, among others (as a proceedings journal, an Impact Factor is not assigned). There is no limit for the number of pages.
- In order to be published, at least one author must register for the conference and present the paper.
- A maximum 1-page abstract will be submitted in electronic format, to the appropriate section manager (see "Organizing Committee")

More information on the conference WEB page: **http://www.mec.legacy.tuiasi.ro/acme2020**